

# General Iron Industries, Inc. AIR ENFORCEMENT BRANCH U.S. EPA REGION 5 1909 N. CLIFTON AVENUE • CHICAGO, IL 60614-4803 • 773-327-9600 • FAX 773-327-8732



April 29, 2014

EPA, Region 5 Air Enforcement and Compliance Assurance Branch Attn: Compliance Tracker, AE-17J 77 W. Jackson Boulevard Chicago, IL 60604

Re: General Iron Industries, Inc. - Chicago, IL

To Whom It May Concern:

In accordance with the terms of Administrative Consent Order (ACO) EPA-5-12-113(a)-IL-04 issued to General Iron Industries, Inc. (General Iron) on June 29, 2012, the following Calendar Quarterly Report is being provided for the quarterly period ending on March 31, 2013 as required by paragraph 35 of the ACO.

- 1. **Performance of pollution control system:** During the quarterly period ending on March 31, 2014 the shredder pollution control system, including water suppression system, cyclone and Filter System, operated at all times that the General Iron shredder was in operation.
- 2. Exceedances of emission limits and/or regulations: During the quarterly period ending on March 31, 2014, there were no known exceedances of emission limits or regulations associated with the General Iron shredder.
- 3. List and description of all air emission complaints received that can reasonably be attributed to General Iron: During the quarterly period ending on March 31, 2014, there were no complaints received that can reasonably be attributed to General Iron.
- 4. **Results of each emissions observation:** In accordance with paragraph 32 of the ACO, visible emission observations were performed while the shredder was operating at a process rate in excess of 315 tons per hour. Results of the visible emission observations conducted during the quarterly period ending March 31, 2014, along with the estimated shredder process rate at the time of the observations, are enclosed in Attachment A.

In accordance with paragraph 33 of the ACO, fugitive particulate matter emission observations were performed while the shredder was operating at a process rate in excess of 315 tons per hour. Results of the fugitive particulate matter emission observations conducted during the quarterly period ending March 31, 2014, along with the estimated shredder process rate at the time of the observations are enclosed in Attachment B.

5. Update of all permit activity required by Paragraph 36 of the ACO: Previous discussions with the Illinois EPA indicate that the Federally Enforceable State Operating Permit (FESOP) application for the referenced facility still remains under review.

If you have any questions or if you require any additional information, please feel free to call me at (847) 508-9170.

Sincerely,

Jim Kallas



### EPA VISIBLE EMISSION OBSERVATION FORM

VISIBLE EMISSIOI	N O	BSERV	/ATIO	N FORM 1
Method Used (Circle One) Method 9 203A	203B	Other:		
Company Name				
General I	ron :	Indust	ries,	Inc.
Facility Name Same				
Street Address 1909 N. C	lift	on Ave	nue	
CHy Chicago		State IL		Zlp 60614
Process		Unit #	Operating M	
Metal Shreddi Control Equipment	ng		Snr Operating M	edding (ode
Emission Conti	rol Sy	ystem	operating it	On
Describe Emission Point				
Top of	shre	dder e	nclos	ıre
Height of Emiss. Pt.		Height of Er	niss. Pt. Rei. to	o Observer
start 60 ft. End 60 f	t.			End 60 ft.
Distance to Emiss, Pt. Start 250 ft. End 250	ft.	Start 320	Emiss. Pt. (De	egrees) End 320
Vertical Angle to Obs. Pt. Start 15 End 1.5		'? <b>∞</b>	Obs, Pt. (Dec	grees) End <b>350</b>
Distance and Direction to Observation	n Point fror	n Emission Po	plnt	
Start 100 FT. EAST		End /00	OFT. E.	AST
Describe Emissions				
Start STEAM		End Orop	EAN.	
Emission Color Start WHTTE End WHT	TE	Attached		hed None
Describe Plume Background Start SKY/CLOUDS		End St	LY/CLC	OUDS
Background Color	1	Sky Condiff	ons S	Find MSTLY SUN
Start BUE/WHT End BUE Wind Speed	JWHI	Wind Direct	ログリング( flon	End IS ICA JUN
Start 6 End 6		Starf U	<u> </u>	End W
Amblent Temp. Start 6 End 6		Wet Bulb Te	emp.	RH Percent
Start 6 End 6				
50	ource La	yout Sketch		Draw North Arrow
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0 ->	Observe	ation Point		
			r	
			Ì∏ŧ	FEET
			∐∳	
	Observe	er's Position		FEET
	*	_		Side View
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Longitude	Lalitude	43 025		Declination
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29	0	0	٥	0		
30	0	0	0	0		

(C)(D)(D)(D)	
Observer's Name (Print)	
Jim Kallas	*
Observer's Signature / . /	Date /
- the	1/23/14
Organization	,
General Iron Industries	, Inc.
Certified By	Date
Whitlow Enterprises LLC	9/5/13

Additional information

#### EPA VISIBLE EMISSION OBSERVATION FORM

ASIBLE EMISSION O	BSERVAIION FORM I
flethod Used (Circle One) Method 9 203A 203B	Other:
Company Name General Iron	Industries, Inc.
acilify Name Same	
treef Address 1909 N. Clift	
Thy Chicago	
Process	Unit # Operating Mode
Metal Shredding Control Equipment	Shredding Operating Mode On
Emission Control S	ystem CH
Describe Emission Point Top of shre	edder enclosure
Height of Emiss. Pt.	Height of Emiss. Pt. Rel. to Observer
Start 60 ft. End 60 ft.  Distance to Emilss, Pt.	Start 60 ft. End 60 ft.  Direction to Emiss. Pt. (Degrees)
Start 250 ft. End 250 ft.	Start 320 End 320
Verlical Angle to Obs. Pt.	Direction to Obs. Pt. (Degrees)
Start 15 End 15 Distance and Direction to Observation Point fro	Start 350 End 350
start /OOFT. EAST	End 100 FT. EAST
Describe Emissions STEAM	End STEAM
Start Ernission Golor	Water Droplet Plume
Stan WHITE End WHITE	Attached Detached None
Describe Plume Background Start SKY	end Sky
Background Color	Sky Conditions
Start BLUE End BLUE Wind Speed	Start CLEAR End CLEAR Wind Direction
Start 2 End 2	Start W End W
Amblent Temp. Start 41 End 41	Wet Bulb Temp. RH Percent 58
Source Lo	ayout Sketch Draw North Arrow
	UMN UT □
-	(A)
X Obser	evation Point
	FEET
	<u>    <del>                                </del></u>

Sun Location Line

Latitude

41.916111

sun Wind Declination

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Observation Date 2/19/1	4	Time Zone	ə -	Start Time 10:24-AM	End Time /0:54	AM	

Observation <b>2</b>	00 Date		ime zone	<del>)</del>	Start Time 10:24-AM	End Time /0:54-AM
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28	0	0	0	0		
29	٥	0	0	0		
30	0	٥	0	0		
I	ore Name	<b>7</b> (- 1)				

Observer's Name (Print) Jim Kallas	
	Date 2/19/14
Organization General Iron Industries	, Inc.
Centified By Whitlow Enterprises LLC	Date 9/5/13

Additional information

Longitude

-87.659167

## EPA VISIBLE EMISSION OBSERVATION FORM 1

iethod Used (Circle One) Method 9 203A 203B	Other:
ompany Name General Iron l	Industries, Inc.
collity Name Same	
treet Address 1909 N. Clifto	on Avenue
Thy Chicago	State   Zip
iocess	Unit # Operating Mode
Metal Shredding	Shredding Operating Mode
Emission Control Sy	ystem On
Describe Emission Point Top of shre	dder enclosure
leight of Emiss. Pt.	Height of Emiss. Pt. Rel. to Observer
trant 60 ft. End 60 ft.	Start 60 ft. End 60 ft. Direction to Erniss. Pt. (Degrees)
itant 250 ft. End 250 ft.	Start 320 End 320
Pertical Angle to Obs. Pt.	Direction to Obs. Pt. (Degrees) Start 350 End 350
tart 15 End 15 Distance and Direction to Observation Point from	m Emission Point
tar 120 FT. ESE	End /20 FT. ESE
Describe Emissions STEAM	End STEAM
inission Color Start WHITE End WHITE	Water Droplet Plume Attached X Detached None
Describe Plume Background Start SKY/CLOVDS Background Cglor Start BLUE/WH7 End BLUE/WH7	Enal SKY/CLOUDS Sky Conditions Skin MSTLY SUN EnaMSTLY SUN
Wind Speed Start Start End S	Wind Direction Start WNW End WNW
Ambient Temp. Start 25 End 25	Wet Bulb Temp. RH Percent 45
	yout Sketch Draw North Arrow
\	□ TN □MN
81	$(\mathcal{A})$
X Observa	ation Point
r	
	l <sub>n</sub> .
	FEET
Observ	er's Position FEET
Observi	er's Poeition  Sicie View  Stock With  With
	er's Position  Side View  Stock With Plums Sun
Sun Location Line Longitude Latitude	er's Position  Side View  Stack With Purns Sun Wind  Declination
Sun Location Line Longitude Latitude	er's Poelition  Side View  Stock Wind  Wind

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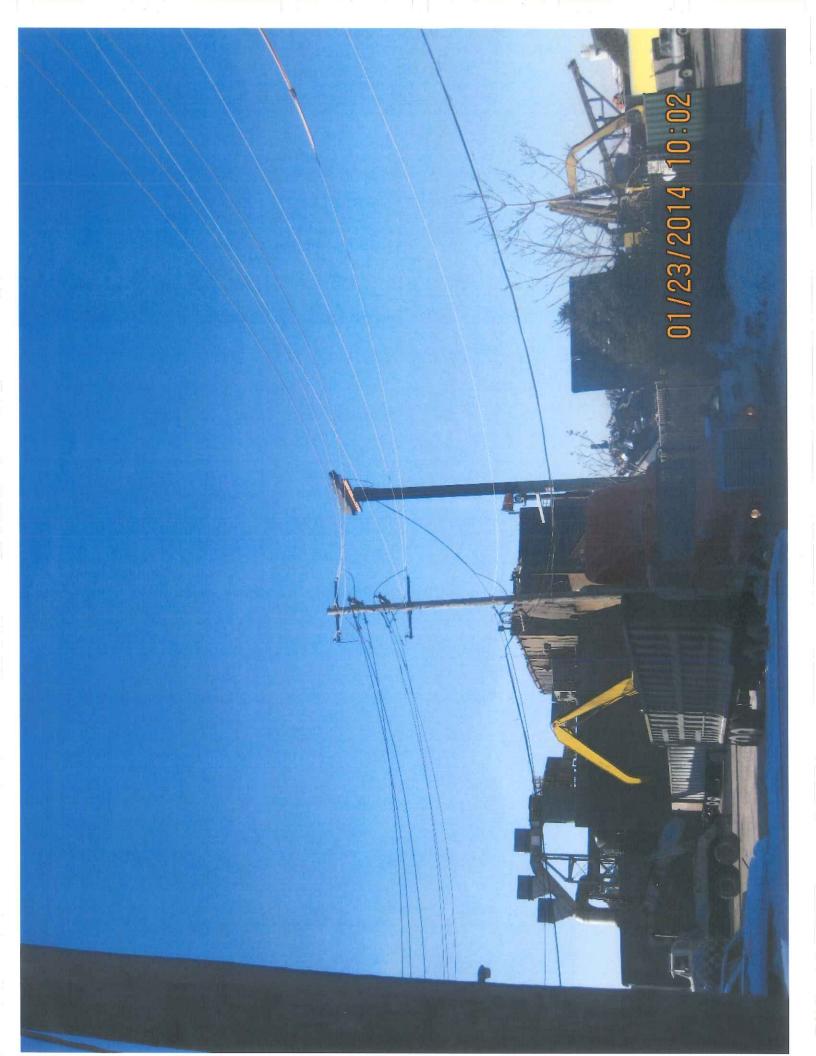
Observati	on Date 25/14		Time Zone	9	Start Time 12:34 PM	End Time 1:04 PM
Sec Min	0	15	30	45	Co	mments
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7	0	٥	0	0		
8	0	0	0	0		
9	0	٥	0	٥		
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12	0	٥	0	0		
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14	0	٥	0	0		
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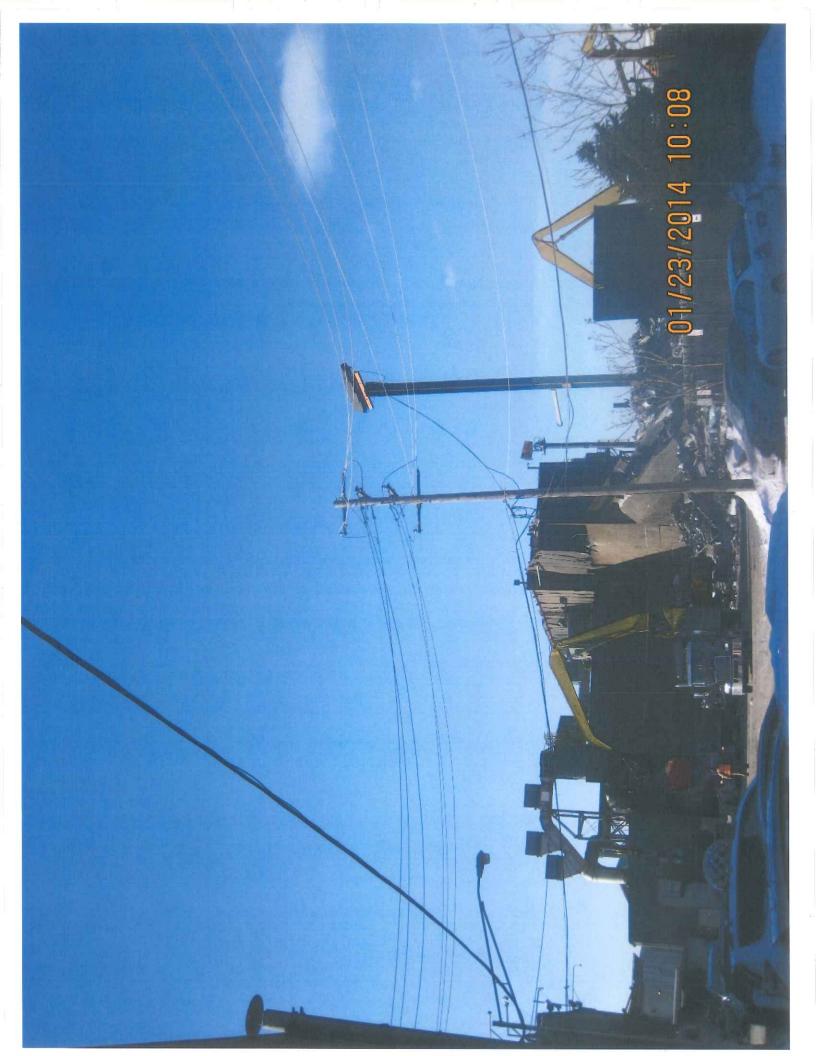
Observer's Name (Print) Jim Kallas	
Observer's Signature	Date 3/25/14
Organization General Iron Industr	ies, Inc.
Certified By Whitlow Enterprises L	LC Date 3/5/14

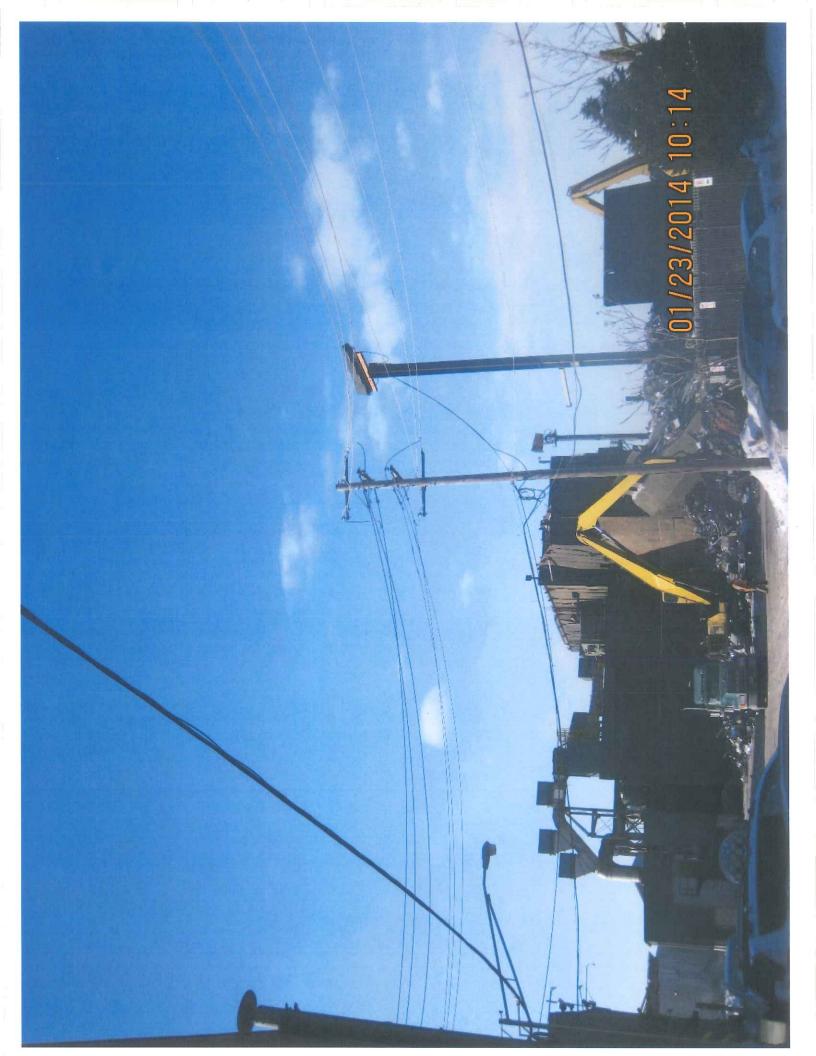
#### **Visible Emission Observations**

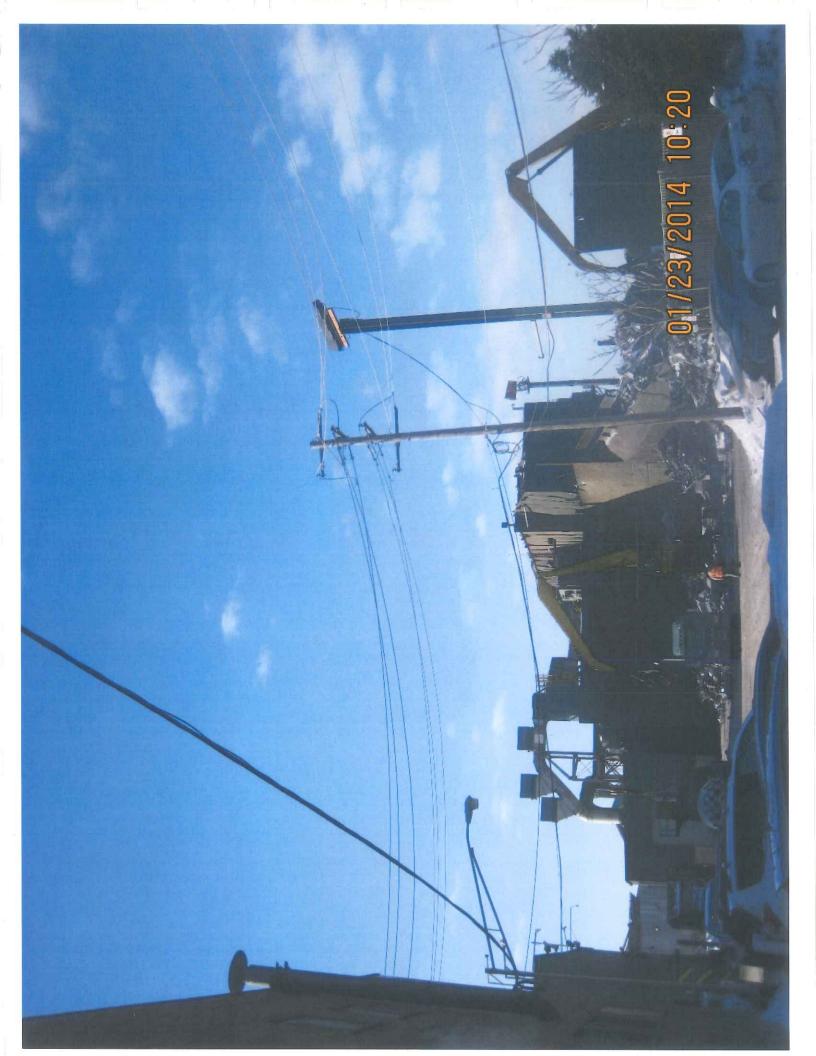
<u>Date</u>	Start Time	End Time	<b>Estimated Process Rate</b>
1/23/14	10:53 a.m.	11:23 a.m.	319 tons per hour
2/19/14	10:24 a.m.	10:54 a.m.	377 tons per hour
3/25/14	12:34 p.m.	1:04 p.m.	332 tons per hour

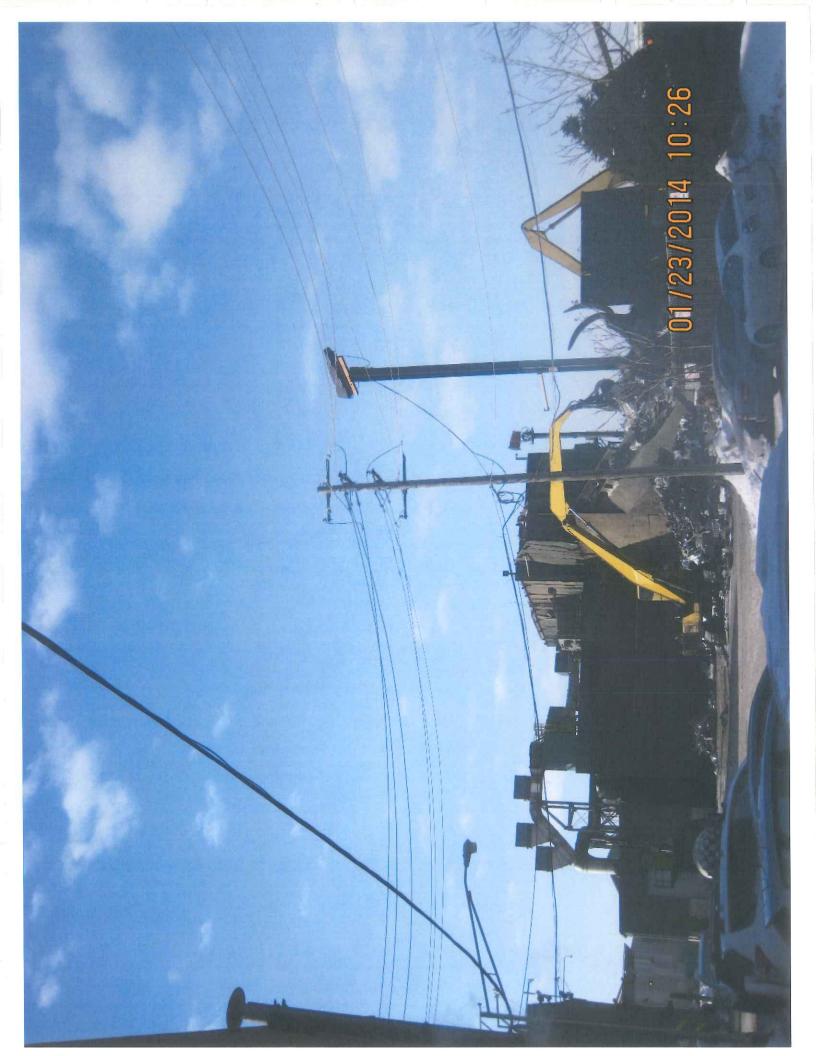
Attachment B

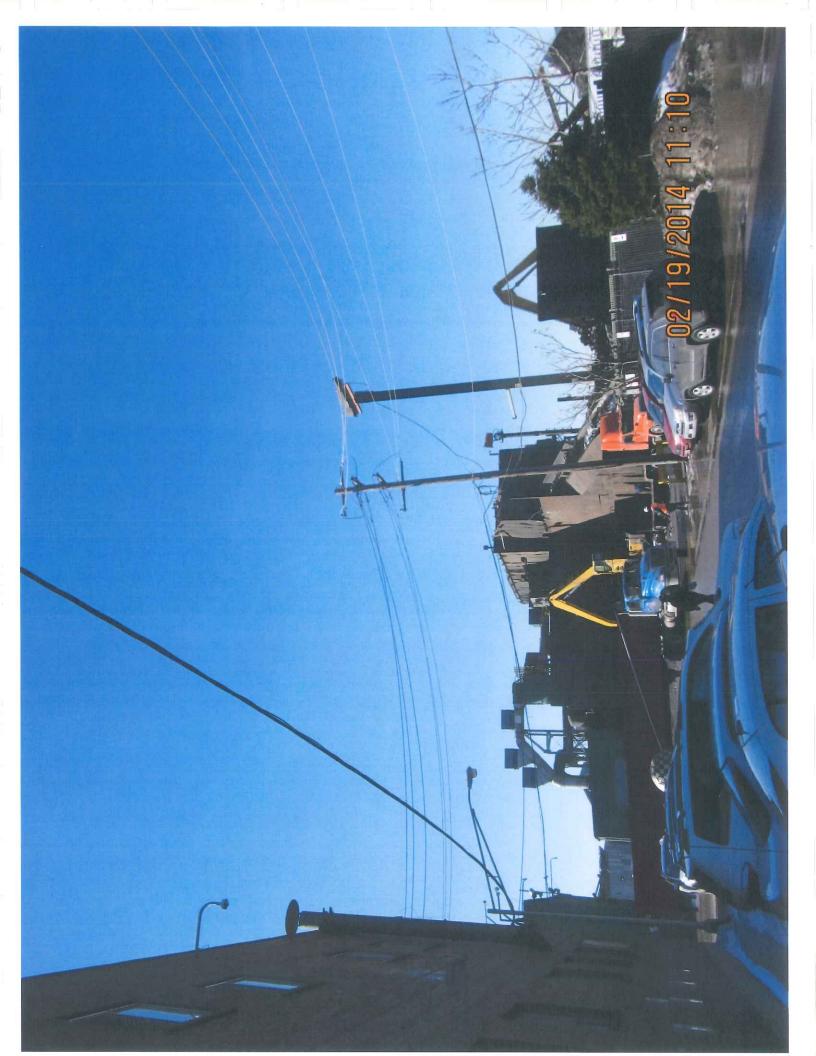


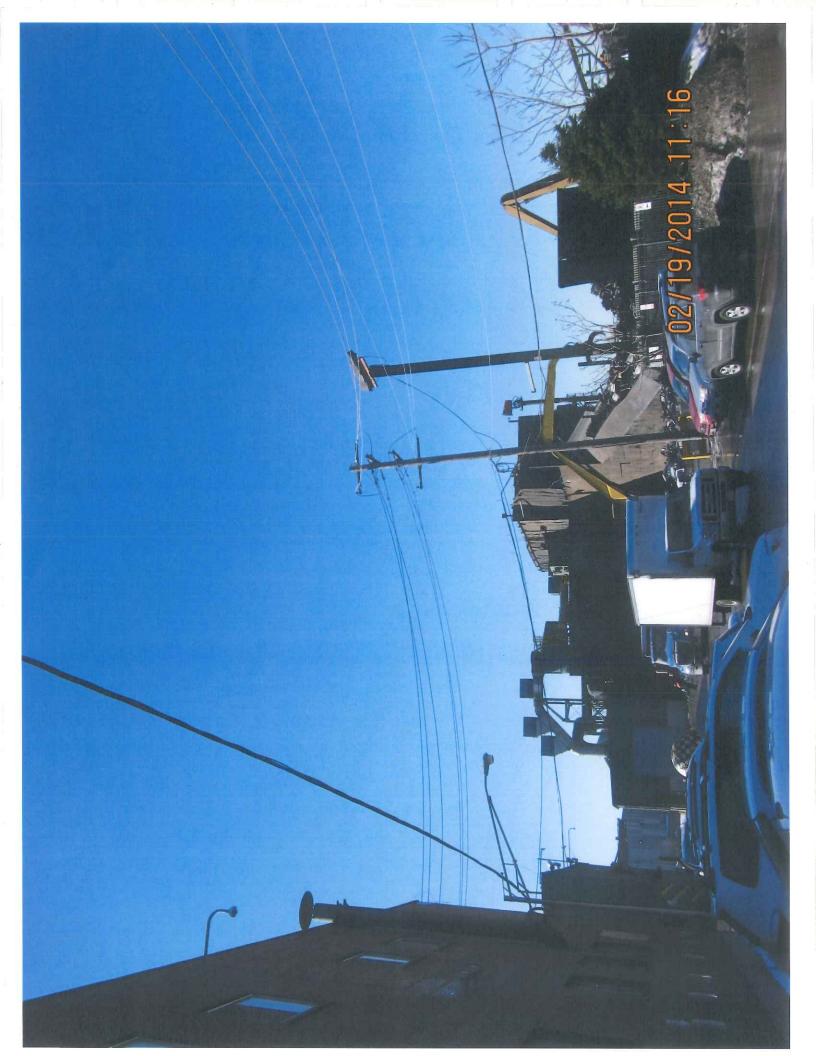


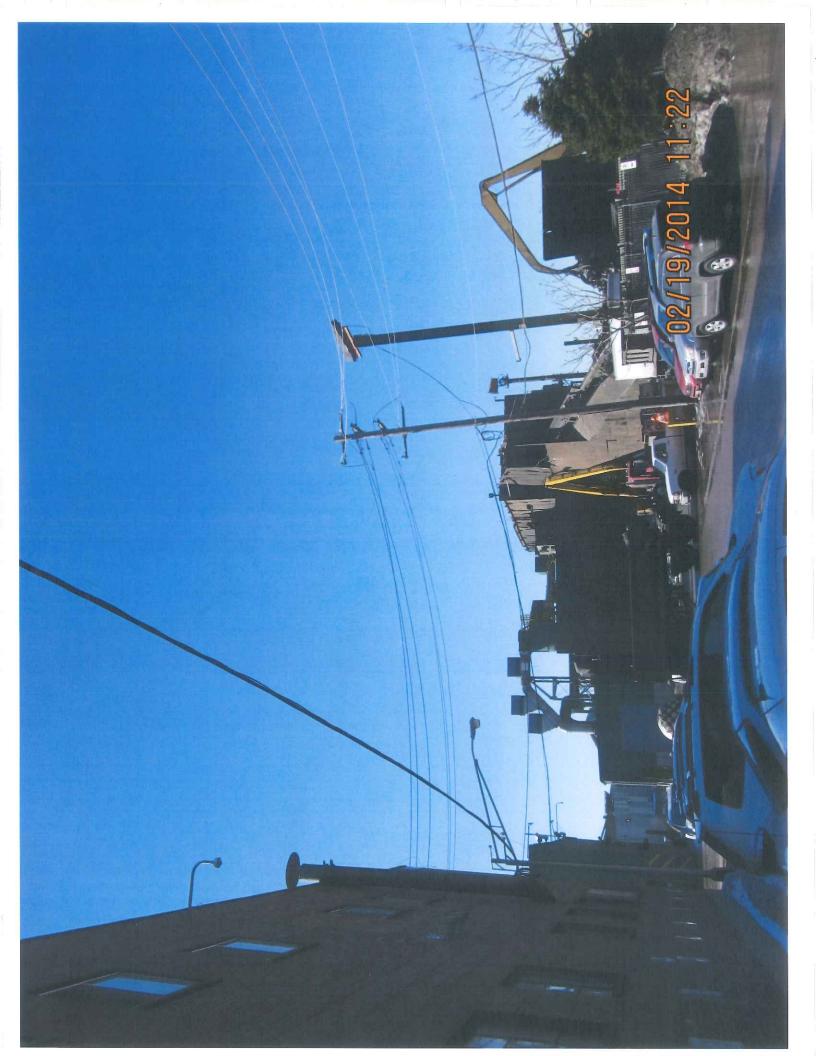


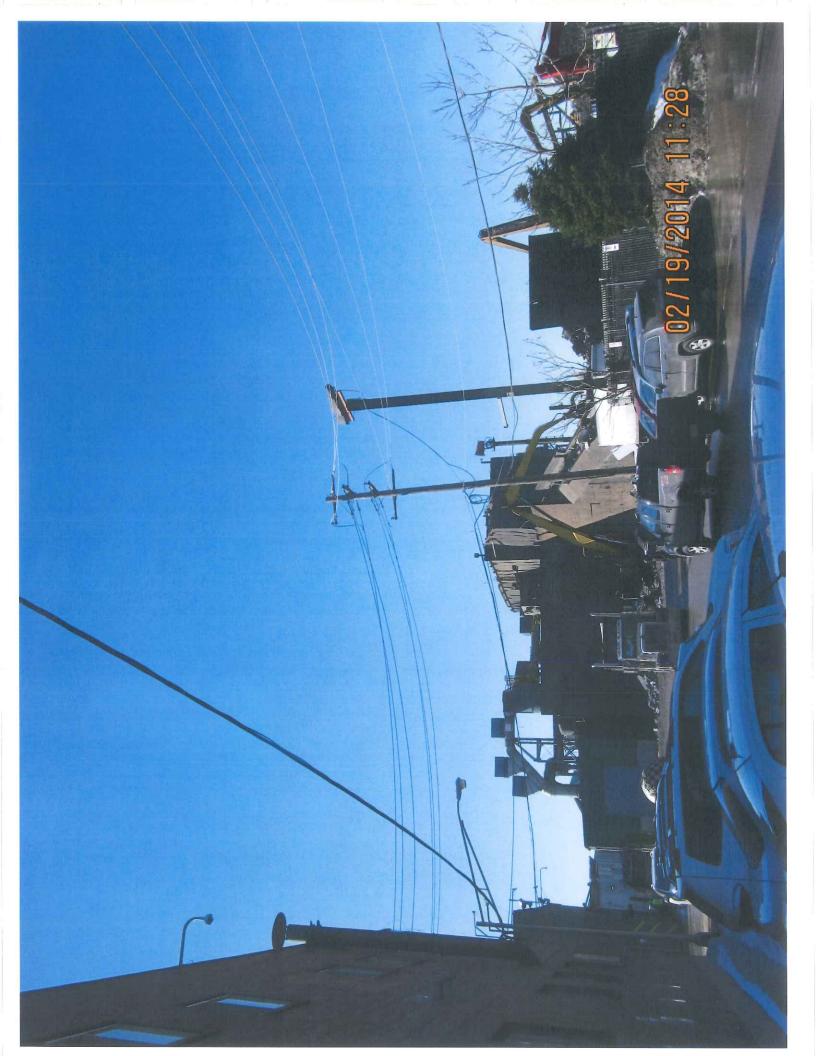


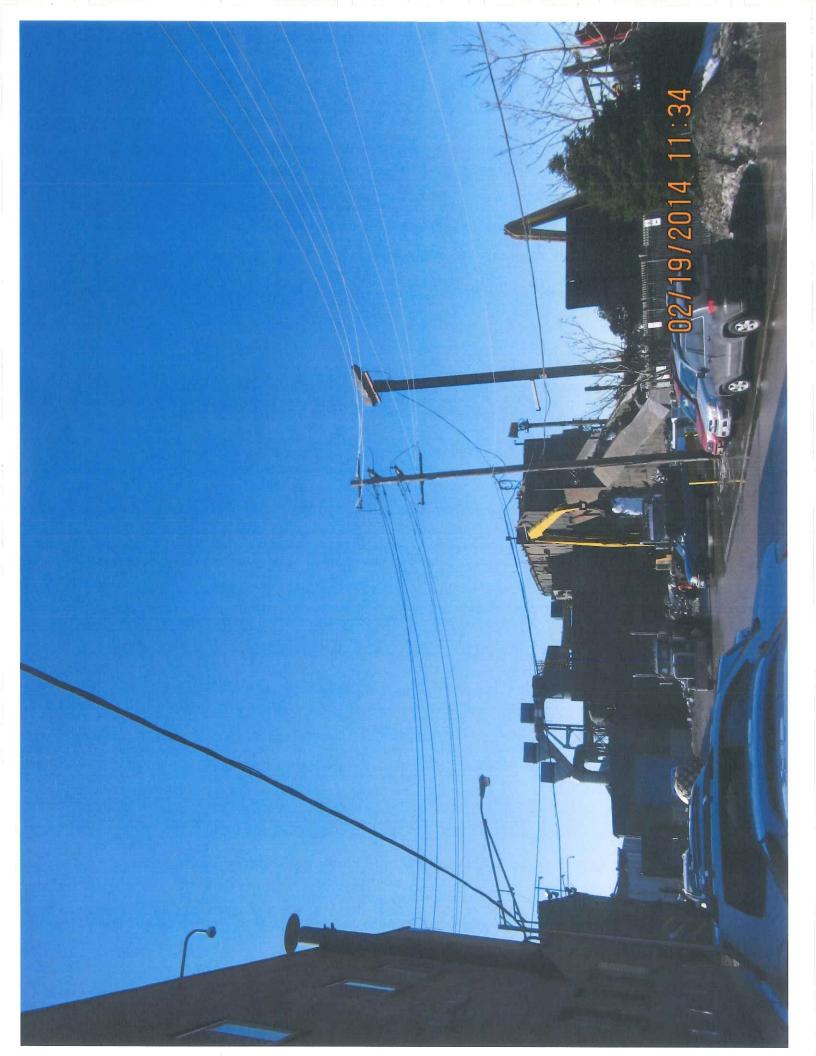


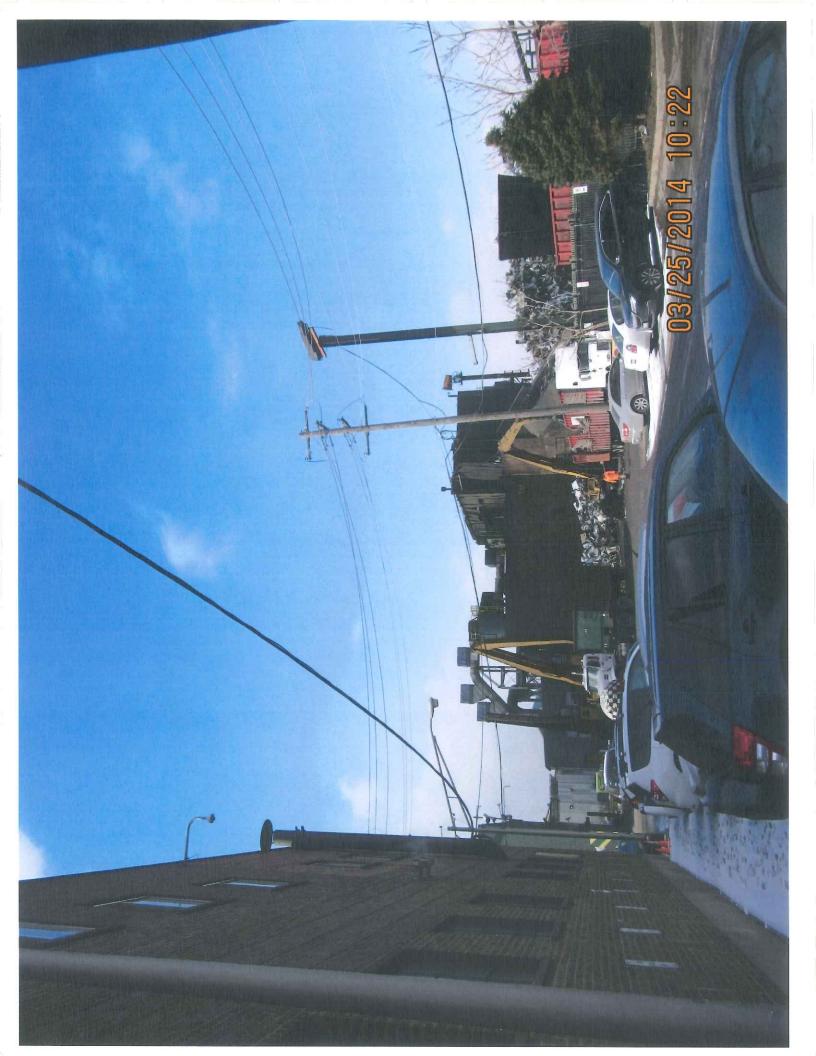


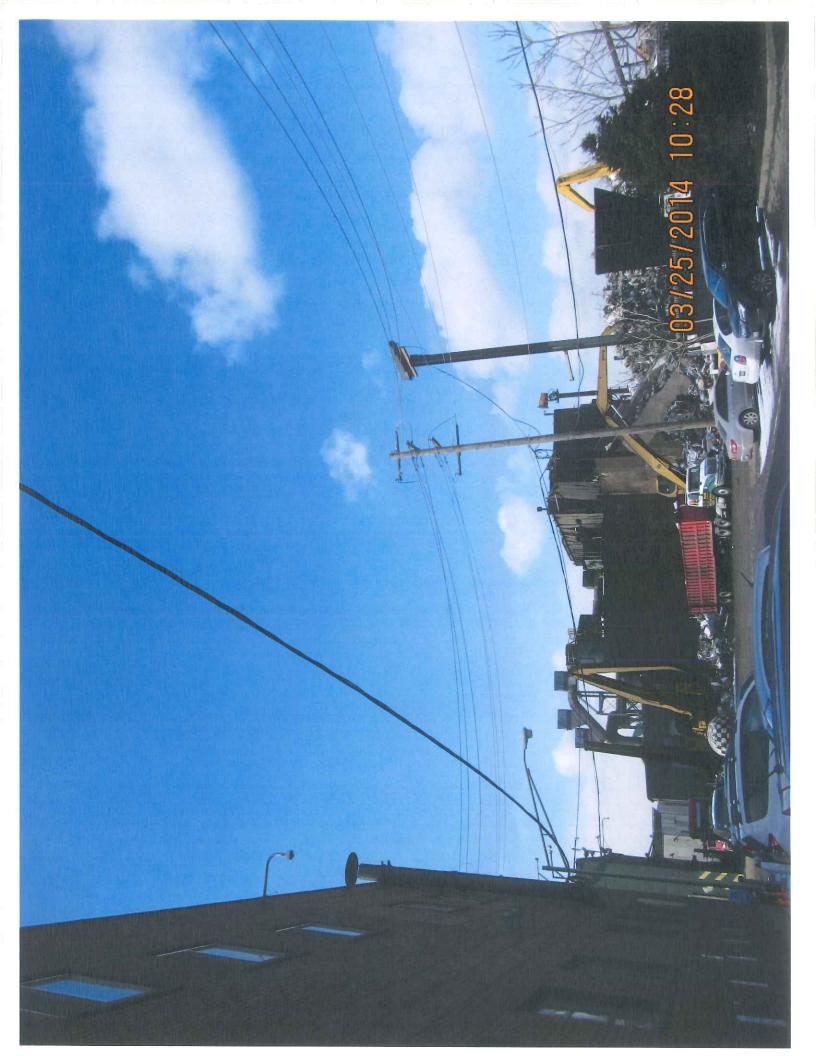


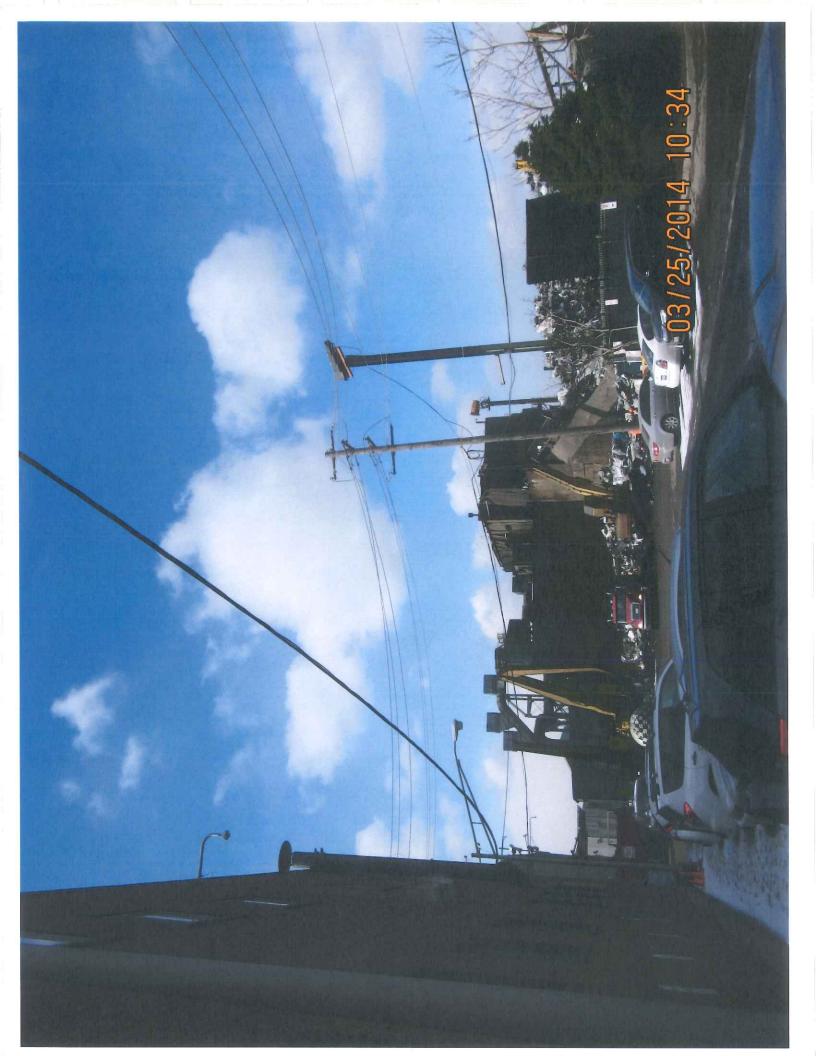




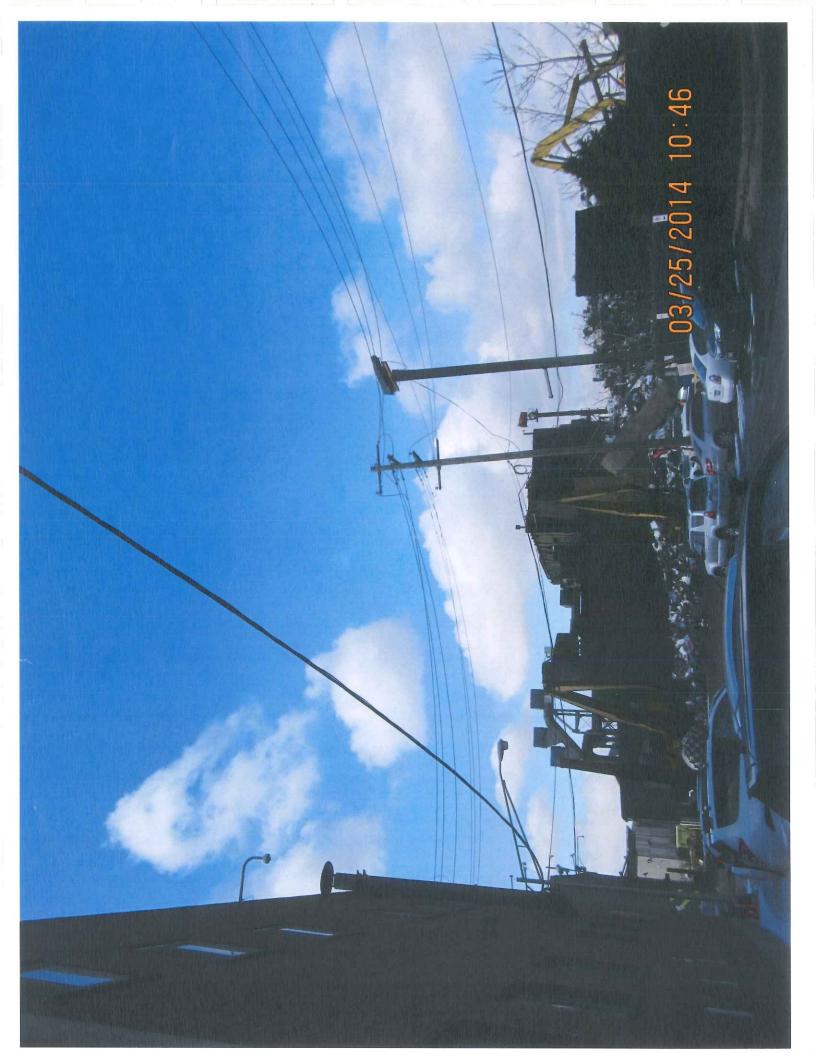












### **Fugitive Particulate Matter Emission Observations**

<u>Date</u>	Start Time	End Time	Estimated Process Rate
1/23/14	10:00 a.m.	10:30 a.m.	369 tons per hour
2/19/14	11:08 a.m.	11:38 a.m.	340 tons per hour
3/25/14	10:19 a.m.	10:49 a.m.	382 tons per hour